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1 A transmission control scheme for media access in sensor networks

Alec Woo, David E. Culler

July 2001 MobiCom '01: Proceedings of the 7th annual international conference on computing and networking

Publisher: ACM

Full text available: Pdf (460.40 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 518, Citation

We study the problem of media access control in the novel regime of sensor networks where unique application behavior and tight constraints in computation and energy resources, and radio technology have shaped this design space.

2 The effects of systemic packet loss on aggregate TCP flows

Thomas J. Hacker, Brian D. Noble, Brian D. Athey

November 2002 Supercomputing '02: Proceedings of the 2002 ACM/IEEE Conference on Supercomputing

Publisher: IEEE Computer Society Press

Full text available: Pdf (375.56 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 39, Citation

The use of parallel TCP connections to increase throughput for bulk transfer is a common practice within the high performance computing community. However, its effectiveness, fairness, and efficiency of data transfers across parallel connections is unclear. ...

3 Comparison of broadcasting techniques for mobile ad hoc networks

Brad Williams, Tracy Camp

June 2002 MobiHoc '02: Proceedings of the 3rd ACM international symposium on mobile ad hoc networking & computing

Publisher: ACM

Full text available: Pdf (201.95 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 54, Downloads (12 Months): 456, Citation

Network wide broadcasting in Mobile Ad Hoc Networks provides important route establishment functionality for a number of unicast and multicast applications. Considering its wide use as a building block for other network layer protocols,

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Keywords: IEEE 802.11, MANET, ad hoc networks, broadcast protocols
protocols, mobile networks

4 A routing architecture for mobile integrated services networks

 Shree Murthy, J. J. Garcia-Luna-Aceves

December 1998 Mobile Networks and Applications , Volume 3 Issue 4


Publisher: ACM

Full text available:  Pdf (272.02 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 22, Citation (


A drawback of the conventional Internet routing architecture is that its computation and packet forwarding mechanisms are poorly integrated with control mechanisms. Any datagram offered to the network is accepted; packets ...

5 Locality-preserving randomized oblivious routing on torus networks

 Arjun Singh, William J. Dally, Brian Towles, Amit K. Gupta

August 2002 SPAA '02: Proceedings of the fourteenth annual ACM symposium on algorithms and architectures

Publisher: ACM


Full text available:  Pdf (277.17 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 43, Citation (

We introduce *Randomized Local Balance* (RLB), a routing algorithm that balance between locality and load balance in torus networks, and analyze performance for benign and adversarial traffic permutations. Our results show RLB ...

Keywords: interconnection networks, k-ary n cubes, locality-preserving packet routing, randomized

6 A framework for the transmission of streaming media to mobile devices

 Kevin Curran, Gerard Parr

January 2002 International Journal of Network Management , Volume 12

Publisher: John Wiley & Sons, Inc.

Full text available:  Pdf (302.57 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 48, Citation (

One interesting problem is the delay imposed upon mobile receivers when they move between wireless cells. We provide a solution to this in the form of an efficient Mobile IP's handoff algorithm. Our solution involves the exploitation of a prediction ...


7 Evaluation of packet scheduling algorithms in mobile ad hoc networks

 Byung-Gon Chun, Mary Baker

June 2002 SIGMOBILE Mobile Computing and Communications Review

3
Publisher: ACM


Additional Information:


Full text available:  Pdf (398.37 KB)

[full citation, abstract, reference terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 94, Citation (

We examine the queuing dynamics at nodes in an ad hoc mobile network performance under different packet scheduling algorithms using Source Routing (DSR) and Greedy Perimeter Stateless Routing (GPSR) ; underlying routing ...

8 The design of an acquisitional query processor for sensor networks
 Samuel Madden, Michael J. Franklin, Joseph M. Hellerstein, Wei Hong
June 2003 SIGMOD '03: Proceedings of the 2003 ACM SIGMOD international
on Management of data
Publisher: ACM

Full text available:  Pdf (485.52 KB) [Additional Information: full citation, abstract, reference terms](#)

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 287, Citation

We discuss the design of an acquisitional query processor for data collection networks. Acquisitional issues are those that pertain to where, when, and how data is physically acquired (*sampled*) and delivered to query processing

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